

09754652  
Michael J. Simitoski  
Michael.Simitoski@uspto.gov  
(703) 305-8191

### **Google**

cryptographic key update  
encrypt new key with current key update  
update ("old key" OR "current key") ("new key" OR "next key") encrypt  
encrypt new key with (old OR current) key

### **ACM**

### **IEEE**

### **Applications/Patents from Inventor Search**

6,073,236  
6,363,455  
6,662,286  
6,058,477  
6,330,633  
09/353,714  
09/512,425  
2004/0049646

L Number	Hits	Search Text	DB	Time stamp
1	1	("6073236").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/07 09:59
2	1	("20040049646").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/07 10:01
3	1	("5379344").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/07 10:01
-	8	"3985998"   "4204113"   "4578567"   "4656342"   "4683372"   "4709137"   "4734568"   "4742215").PN.	USPAT	2004/06/07 07:19
-	46	3985998.URPN.	USPAT	2004/06/02 13:24
-	35	4849614.URPN.	USPAT	2004/06/02 13:43
-	13	4849614.URPN. and (encrypt\$3 encipher\$3)	USPAT	2004/06/02 13:44
-	11	4849614.URPN. and (encrypt\$3 encipher\$3)) and @ad<20000107	USPAT	2004/06/02 14:10
-	139	@ad<20000107 and (composite adj key)	USPAT	2004/06/03 09:18
-	24	@ad<20000107 and (composite adj key) and encrypt\$3	USPAT	2004/06/03 13:24
-	2	20010029579.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 15:20
-	1	("4849614").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/02 16:05
-	1	((("4849614").PN.) and issuer	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/03 07:06
-	1	("20040010718").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/03 07:09
-	2	((("6321203") or ("6484203"))).PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/03 07:10
-	37	@ad<20000107 and (issuer adj key)	USPAT	2004/06/03 09:18
-	1	20010029579.pn. and (size near3 memory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 11:23
-	8	@ad<20000107 and (encrypt\$3 near3 size near3 memory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 11:19
-	22	@ad<20000107 and (encrypt\$3 with (size near3 memory))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 11:19
-	14	((@ad<20000107 and (encrypt\$3 with (size near3 memory))) not (@ad<20000107 and (encrypt\$3 near3 size near3 memory))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 11:19

-	1	20010029579.pn. and (encrypt\$3 same (issuer with key)) same (modif\$7 alter\$5 tamper\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 13:21
-	31	@ad<20000107 and (encrypt\$3 same (issuer with key)) same (modif\$7 alter\$5 tamper\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 11:35
-	14	@ad<20000107 and (encrypt\$3 same (issuer with key)) same (modif\$7 alter\$5 tamper\$3) same (card ICC smartcard)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 11:36
-	1358	"smart phone"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 13:21
-	58	"smart phone" and (smart adj card) and encrypt\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 13:21
-	19	@ad<20000107 and ((ICC ((smart IC) adj card)) same "cell phone")	USPAT	2004/06/03 14:37
-	168	@ad<20000107 and ((ICC ((smart IC) adj card)) same read\$3 same phone)	USPAT	2004/06/03 13:29
-	130	@ad<20000107 and ((ICC ((smart IC) adj card)) same reader same phone)	USPAT	2004/06/03 13:32
-	22	@ad<20000107 and ((ICC ((smart IC) adj card)) same reader same ((wireless cell cellular) adj phone))	USPAT	2004/06/03 13:32
-	15	@ad<20000107 and (713/172.ccls.) and (380/284,45,283).ccls.	USPAT	2004/06/03 14:41
-	158	380/284,285.ccls. and @ad<20000107	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 15:23
-	89	(380/284,285.ccls. and @ad<20000107) and (key with (replac\$3 restor\$3 chang\$3 updat\$3 upgrad\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 15:40
-	63	(380/284,285.ccls. and @ad<20000107) and (key near3 (replac\$3 restor\$3 chang\$3 updat\$3 upgrad\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 15:40
-	60	(380/284,285.ccls. and @ad<20000107) and (key near2 (replac\$3 restor\$3 chang\$3 updat\$3 upgrad\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 15:52
-	6	(380/284,285.ccls. and @ad<20000107) and (key near2 (replac\$3 restor\$3 chang\$3 updat\$3 upgrad\$3)) and ((current old) near key) and ((new next) near key)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 16:02
-	2	380/284,285.ccls. and @ad<20000107) and (((current old) near key) same encrypt\$3 same ((new next) near key))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 16:03

-	45	<p>file scanned</p> <p>"4203166"   "4238853"   "4281216"  </p> <p>"4315101"   "4386233"   "4578531"  </p> <p>"4688250"   "4731840"   "4771459"  </p> <p>"4868877"   "4876716"   "4910773"  </p> <p>"4912762"   "5081678"   "5146497"  </p> <p>"5146498"   "5150408"   "5164986"  </p> <p>"5185795"   "5208859"   "5299263"  </p> <p>"5325432"   "5341426"   "5349642"  </p> <p>"5381479"   "5404404"   "5418854"  </p> <p>"5428738"   "5471532"   "5481612"  </p> <p>"5491750"   "5553139"   "5553143"  </p> <p>"5572528"   "5633931"   "5651066"  </p> <p>"5671414"   "5687235"   "5692129"  </p> <p>"5719786"   "5734718"   "5818936"  </p> <p>"6061799"   "6085320"   "6311194").PN.</p>	USPAT	2004/06/03 16:03
-	3	((("6,393,565") or ("6,434,238") or ("4,972,472"))).PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/07 07:19
-	20	barlow.in. and card and resource	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/07 08:24